## INTERNATIONAL SEARCH REPORT

Inte - al Application No P( ., \_32004/052315

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G10K11/35

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G10K

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 460 179 A (OKUNUKI ET AL) 24 October 1995 (1995-10-24) cited in the application column 1, line 10 - line 15 column 1, line 55 - column 2, line 32 column 4, line 45 - line 57 column 5, line 56 - line 67; claims 1,20	1,2,8,9
A	US 5 159 931 A (PINI ET AL) 3 November 1992 (1992-11-03) column 6, line 8 - line 46; claim 1	1,8,13
A	US 5 671 746 A (DRESCHEL ET AL) 30 September 1997 (1997-09-30) column 1, line 25 - column 2, line 22	1,8,13

X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  21 February 2005	Date of mailing of the international search report  03/03/2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  Ni. – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,  Fax: (+31–70) 340–3016	Authorized officer Lorne, B

## INTERNATIONAL SEARCH REPORT

Ini — inal Application No
P..., \_B2004/052315

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
regory ,	Citation of document, with indication, where appropriate, of the relevant passages	rielevant to claim No.
	US 5 165 414 A (LARSON, III ET AL) 24 November 1992 (1992-11-24) column 2, line 6 - line 37 column 2, line 55 - line 62; claim 1	1,8,13
	US 2003/097067 A1 (POLAND MCKEE DUNN ET AL) 22 May 2003 (2003-05-22) paragraphs '00C3!, '0006!, '0009!, '0025!, '0027!	1,8,13
	·	

## INTERNATIONAL SEARCH REPORT

Int 21 Application No
PUI/102004/052315

	tent document in search report		Publication date		Patent family member(s)		Publication date
US	5460179	A	24-10-1995	JP	2035672	С	28-03-1996
				JP	6038962	Α	15-02-1994
				JP	7073576	В	09-08-1995
				CA	2097018	A1	28-11-1993
				DE	69314228	D1	06-11-1997
				DE	69314228	<b>T2</b>	19-02-1998
				EP	0571992	A2	01-12-1993
US	5159931	Α	03-11-1992	NONE			
US	5671746	Α	30-09-1997	NONE			
US	5165414	A	24-11-1992	NONE			
US	2003097067	A1	22-05-2003	US	2003023166	 A1	30-01-2003
				US	6443896		03-09-2002
•				JP	2004130134	Α	30-04-2004
				WO	2004021039	A1	11-03-2004
				WO	2004021040	A1	11-03-2004
				WO	2004021043	A1	11-03-2004
				WO	2004021041		11-03-2004
				US	2003060710	<del></del>	27-03-2003
				US	2003195421		16-10-2003
				US	2003195422		16-10-2003
				US	2003208124		06-11-2003
				MO	0214888		21-02-2002
				EP	1311869		21-05-2003
				JP	2004506458	1	04-03-2004